



MIDDLE SCHOOL EDUCATION SCIENCE, GRADES 5-9

EDUCATOR PREPARATION PROGRAM NAME COLUMBIA COLLEGE	EDUCATOR PREPARATION PROGRAM CODE 515712
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INSTRUCTIONS

Please complete Educator Preparation Program (EPP) Name & EPP Code above.

Certification Requirements:

- Course Number – List the course number(s) for the course(s) or groups of competencies that align with the specific section of the requirements. It is possible to have more than one course or group listed.
- Course Title – List the course title(s) for the course(s) or groups of competencies that align with the specific section of the requirements. It is possible to have more than one course or group listed.
- Semester Hours – List the number of semester hours for each specific section. It is possible to use decimals (to the nearest tenth) to indicate partial use of a course to meet a requirement. The total number of semester hours must meet or exceed the minimum required number of semester hours.

Email the completed cover sheet, curriculum matrix, and advising/program information to DESE.MoSPETransition@dese.mo.gov on or before the date established in the Transition Plan.

QUESTIONS: Contact Educator Preparation, 573-751-1668 or DESE.MoSPETransition@dese.mo.gov

A. Professional Requirements (Minimum of 45 semester hours)

1. Content Planning and Delivery

	Course Number	Course Title	Semester Hours
a. Curriculum and Instructional Planning	EDUC 300 EDUC 365	Techniques of Teaching Teaching Middle School and Secondary Science	.75 1
b. Instructional Strategies and Techniques in Content Area Specialty	EDUC 300 EDUC 365	Techniques of Teaching Teaching Middle School and Secondary Science	.75 1
c. Assessment, Student Data, and Data-Based Decision-Making	EDUC 322	Educational Measurement and Assessment	3
d. Strategies for Content Literacy	EDUC 338	Content Reading and Writing	0
e. Critical Thinking and Problem Solving	EDUC 300 EDUC 375	Techniques of Teaching Advanced Content Methods	.75 .75
f. English Language Learning	EDUC 198 or EDUC 400	Field Experience I or Senior Seminar	0

2. Individual Student Needs

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	EDUC 391 and 230 or EDUC 392 and 230 or EDUC 396	Child Psychology and Educational Psychology or Adolescent Psychology and Educational Psychology or Child and Adolescent Development	3
b. Psychology/Education of the Exceptional Child	EDUC 390	Education and Psychology of the Exceptional Child	1
c. Differentiated Learning	EDUC 375 EDUC 390	Advanced Content Methods Education and Psychology of the Exceptional Child	.75 1
d. Classroom Management	EDUC 311	Classroom and Behavior Management Techniques	1.5
e. Cultural Diversity	SOCI 270	Minority Cultures and Relations	3
f. Educational Psychology	EDUC 230	Educational Psychology	3

3. Schools and the Teaching Profession

	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	EDUC 100 EDUC 390	Introduction to Education Education and Psychology of the Exceptional Child	1.5 1
b. Legal/Ethical Aspects of Teaching	EDUC 200	Law, Ethics, and Education	3

c. Middle School Philosophy and Organization	EDUC 326	Middle School Methods	3
4. Middle School Literacy (Minimum of six semester hours)			
	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	EDUC 338 EDUC 375	Content Reading and Writing Advanced Content Methods	3 .75
b. Instructional Interventions for Students with Reading Deficits	EDUC 376	Adolescent Literacy	3
5. Content Knowledge for Teaching (Minimum of 24 semester hours with appropriate distribution in one of the following certificate subject areas)			
	Course Number	Course Title	Semester Hours
a. Agricultural Education			
b. Business Education			
c. Technology and Engineering			
d. Language Arts			
e. Mathematics			
f. Science	ASTR 108 BIOL 110 CHEM/PHYS 108 CHEM 109 or CHEM 110 ENVS 115 GEOL 110 PHYS 111 HIST/PHIL 303 or BIOL/CHEM/ ENVS 105	Introduction to Astronomy Principles of Biology Physical Science Survey Chemistry for Biological and Health Related Sciences or Chemistry I Introduction to Environmental Science Introduction to Physical Geology College Physics History and Philosophy of Modern Science or Essentials of Science	3 3 3 3 3 3 3 3
g. Social Science			
h. Speech/Theatre			
Professional Requirements - Total Semester Hours			60.5
B. Field and Clinical Experiences (Minimum of ten semester hours)			
	Course Number	Course Title	Semester Hours
1. Early Field Experiences (Minimum of one semester hour with a minimum of 30 clock hours)	EDUC 100 EDUC 198 EDUC 298 EDUC 300 EDUC 311	Introduction to Education Field Experience I Field Experience II Techniques of Teaching Classroom and Behavior Management Techniques	1.5 1 1 .75 1.5
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	EDUC 338 EDUC 365 EDUC 375	Content Reading and Writing Teaching Middle School and Secondary Science Advanced Content Methods	0 1 .75
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	EDUC 424	Student Teaching in the Middle School	12
Field and Clinical Experiences - Total Semester Hours			19.5

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